

COMPANY PROFILE



LUSAKA OFFICE: FARM No. 1067A, OFF KAFUE ROAD, CHILANGA LUSAKA



1.0 INTRODUCTION

Founded and incorporated in the Republic of Zambia with company registration number 120190004952, JAYPRO CAPITAL LIMITED is a transport services and engineering company that deals with provision of transport and storage management services and execution of electrical and construction projects. We are one of the most efficient and dynamic companies in Zambia and southern Africa. PCT (Z) Ltd plays a key role in the provision of electrical engineering products and services to the mining and heavy industries both in Zambia and Democratic Republic of Congo

1.1 TRANSPORT SERVICES AND ENERGY MANAGEMENT

JAYPRO CAPITAL LIMITED provides Road Freight and logistical services to the following entities: Agricultural commodity companies, mining companies, wholesale and retail traders and manufacturing companies in Zambia and the Southern African region.

Energy management is the process of carrying out a detailed survey and study of domestic or industrial premises, buildings, parks, stadiums, plants, mining units with emphasis on energy consumption and view of reducing the energy consumption by optimizing or integration of process technologies. Energy management is very important in today's technology due to scarcity of it especially in Africa. For Zambia, we are currently in a national energy crisis and energy cost remains the biggest portion of the cost of doing business. It is in line with the crisis that JAYPRO CAPITAL LIMITED has embarked on energy management to help clients off-set the cost and gain on energy saving.

The benefits of energy management by JAYPRO CAPITAL LIMITED are:

¼ Understanding your energy consumption and establishing which units consume more of the energy paid every month. ¼ Plant machinery optimization and improvement in efficiency. ¼ Illumination levels establishment and potential for improvements.

¼ Energy and cost saving up to 60 % of current energy consumption and cost.

¼ Compliance to national and international standards on energy and illumination.

¼ Power quality measurements

1.2 COMPRESSOR SERVICE AND REPAIR

Industrial Dryers, Pumps, dryers, filters and downstream accessories. The company's portfolio of over 400 products has found wide application across industries. Whether it is the paint on your wall, the car you drive, the medicines you take or the leather bag you carry, Comp-air products have been used either in their production, maintenance or usage.



In addition to COMP-AIR Compressors and as view to serving our clients better, we do service /repair other brands of compressors on the market like ATLAS COPCO, Ingersorand BOGE, KAESSER etc. One might ask why? The answer lies in the experienced service team at JAYPRO CAPITAL LIMITED and the difficulty clients face in finding valuable service that is affordable and still prolong life of machines. We are able to stock and supply spare parts for all range of compressors on the market.

1.3 GENERATOR SERVICES

Our experienced Diesel and Electrical Technicians enable us to service and kind of brand of Generator such as Caterpillar, Cummings, FG WILSON, Kipor, GESAN, Atlas Copco etc. We do service both the electrical and mechanical components of the generator. We believe in excellence service to our customers. Our traceable references are available at your request. We also do generator engine rebuilds and repair

1.4 PROJECTS-MECHANICAL

We are specialized in the following products and services in mechanical engineering but not limited to:


- Structural engineering
- Compressor/Generator services & Repair
- Pipe works
- Machine installation
- Fabrication and erection
- Pressure Testing of Air Receivers and Boilers

1.5 CONDITION MONITORING

Under condition monitoring, we carry out the following function:

- Oil Analysis for both Gearbox and Transformers
- Pressure Testing of Air Receivers and Boilers

1.6 PROJECTS-CIVIL

- General civil engineering works
 - Commercial and industrial building services
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- Infrastructure/Building maintenance, painting and repairs

1.7 ENGINEERING SUPPLY SERVICES AND CONSULTANCY

In this core category, JAYPRO CAPITAL LIMITED carries out supply, services and consultancy in engineering disciplines of electrical, mechanical, Instrumentation, Drives, Telecommunications, Maintenance, Civil works and project management. In view of this, JAYPRO CAPITAL LIMITED and Construction holds dealership/distributorship in Zambia for the following companies;

1. ELGI-Compressors supply, repair and service of Diesel types, Electric types, Screw type, Piston and Portable compressors.
2. FANOX ELECTRONIC S.L-Protection & Control: Pump Protection and Control (Relays and panels), Motor/Generator protection and Control (Relays), Earth Leakage relays, Primary and Secondary distribution protection, Soft Starters, surge protection devices, Transformers for low and medium voltages (Current Transformer and Power Transformers), Control and Measurement relays (voltage, temperature and frequency)
3. NOJA POWER-NOJA Power Switchgear products and transformers
4. CHONGQING ZHONGNENG OIL PURIFIER MANUFACTURER-Oil Filtering Machines
5. KESPEL-Energy Saving Systems/products



1.8 RADIO SYSTEMS COMMUNICATIONS & EQUIPMENT



Products and services offered include but not limited to

- Supply, Installation and Maintenance of Motorola two-way radios, Repeaters and associated accessories.
- Supply, Installation and Maintenance of Kenwood two-way radios and associated accessories.
- Rendering of security services such a perimeter guiding
- Supply, Installation of Electric fencing

2.0 CAPABILITIES

JAYPRO CAPITAL LIMITED & Construction Techniques capability in engineering includes the following aspects.

2.1 PROJECTS-ELECTRICAL/INSTRUMENTATION/CONSTRUCTION

- Energy Management Systems, Power factor correction equipment and power quality measuring instruments.



- Generator installation and automating change over
- Street lighting projects and primary injection testing of protection relays
- Air Conditioning Systems, Servicing, Repair, Installation and Re-gassing
- Installation and commissioning of transformers and Switchgears for both Low Voltage and Medium Voltage – up to 33kV.
- Cable laying, termination and jointing
- Overhead lines construction (11kV & 33kV lines)
- Electrical wiring both Industrial and Commercial
- Street lighting projects
- Substation construction

2.2 ENGINEERING CONSULTATION

- Compressors Consultation
- Energy Management and Solar Power Grid Connection
- Lighting Audit and Improvements
- Power Quality Measurements and Power Factor Improvements
- Voltage Stability studies and Improvements
- Power Electronics for Drives Application
- Power Electronics for Power Systems Stability (Voltage and Transient Stability)
- Transient Stability Studies and Improvements
- Power System Transmission, Earthing and Distribution Design
- Network and grid Improvements
- Design and Implementation of Custom Power Electronic Devices and Systems
- Electrical Engineering General Consultation
- Solar Power Design and Implementation

2.3 AUTOMOTIVE ENGINEERING SERVICES

We undertake all automotive works such as

- Repair of all kinds of motor vehicles
- Engine rebuilds
- Gearbox rebuilds
- Panel building and Spray painting
- Cabin Tents manufacture for all kinds of vehicle ie pickups and tippers
- Key Cutting for all vehicles
- Supply of all kinds of automotive spares and service kits.



- Troubleshooting of all automotive problems

2.4 SUPPLIES

Electrical Power and Control cables

- Supply of Autoreclosers both indoor and outdoor,
- Compressors & Generators services (COMPAIR-ELGI, ATLAS COPCO, BOGE, INGERSOLL)
- Protection relays and associated products
- Instrumentation products and services, Transmitters, Valves, Flow meters etc
- Supply of flameproof cable couplers, adaptors and accessories
- Power line construction accessories
- Personal Protective Equipment
- Cable jointing accessories such as kits, trailing cable plugs and sockets



25
years
of protection

FANOX

Secondary and Primary Distribution Protection

- Dual & Self Powered Relays
- Overcurrent & Earth Fault Protection Relays
- Feeder / Generator / Line / Voltage / Frequency Protection Relays
- Transformers
- Redundancy Protocols Gateways

IEC 61850

DLMS

Low Voltage Protection





- Electronic Protection & Control Relays for Motors, Generators and Pumps
- Control & Measurement Equipments
- Earth Leakage Protection Relays
- Transformers
- Surge Protection Devices

fanox.com

GL 200



PROTECTION FUNCTIONS

-  Overload
-  Phase imbalance or phase loss
-  Overtemperature
-  Phase sequence

ODGL



Models	Code	Relay type
ODGL	12535	GL



Transformers & Switchgear supply

3.0 TRAINING (ENGINEERING, SAFETY & ADMINSTRATIVE)

We offer various Engineering, Safety and Administrative courses as per client's requirements. We have provided training courses to several Mining companies and industries in Zambia and DRC.

4.0 OUR EXPERTISE AND FRONT-LINE TEAM

MECHANICAL ENGINEERING



POWER ENGINEERING



ENGINEERING SUPPLIES

Gardner

Denver



LIQUID RING VACUUMPUMPS



CENTRIFUGAL PUMPS



BLOWERS



SCREW VACUUM PUMPS



VALVES AND OTHER VARIABLES



OIL HOSES



OIL FLOW METERS



ELECTRICAL & DIESEL COMPRESSORS & COMPRESSOR SPARE PARTS







AUTHORISED DEALER

We are authorised dealer for Sullair Compressors USA and our products are installed in so many heavy equipment machinery such as Sandvik Drills, CAT machines, Komatsu Machines,



OTHER COMPRESSOR BRANDS AND SERVICES

We continue to offer competitive and cost effective services for the clients that seeks to serve cost of brands of compressor which enjoy a niche with OEM and the service cost are extremely high. We offer aftermarket services for most leading brands of compressors as below





**Gardner
Denver**



HITACHI



ELGi Air Compressors
Innovation at its best.
Engineering excellence.
Assured **UPTIME**.



Air compressor / nitrogen / stationary / electrically-powered / TS series



Air compressor / nitrogen / stationary / electrically-powered / HV series



Air compressor / mobile / electrically-powered / piston / SA, OF series



Air compressor / stationary / electrically-powered / piston / SS, HN series



Air compressor / stationary / electrically-powered / piston / LG series



Air compressor / mobile / electrically-powered / piston / SA series



Air compressor / stationary / electrically-powered / piston / HP, SP series



Air compressor / stationary / electrically-powered / piston / HV series





PUMPING SOLUTIONS- *all pumps in every brand.*





MINING SERVICES

1. Face/Sump dewatering pumps
2. Dewatering bull hoses
3. Mining pipes/ Valves
4. Pipe Clamps/Seals
5. Ventilation ducts/tubes
6. Ventilation fans
7. Fan silencers/ Screens
8. Mining Paint(Red / White)

9. Support Material (Split sets, Roof bolts, Cable anchors, Welded wire mesh, Chain mesh, Shotcrete material, Grouting Cement, Grouting Pumps, Pinch bars, chains etc)

10. Personal protective Equipment (PPE)

(Gum boots, Overalls, Work suits, Belts, Safety lanyards, Rescue Packs/Oxyboks, Hard hats, Respirators, dust masks, Safety goggles, Ear plugs, gloves etc)

11. Underground work lights

12. Drill bits, Rods, Shank adapters

13. Clino- rules

14. Measuring tapes







HEAVY EQUIPMENT REPAIR, REBUILDS AND MAINTENANCE

- 1. Electro-Hydraulic rig maintenance and repair**
- 2. Electro-Hydraulic rig rebuild/rehabilitation and commissioning to function**
- 3. Retrofitting of rigs to obtain optimum performance**
- 4. Underground substation construction**
- 5. Underground trolley lines installation**
- 6. Hydraulic pump and motor repair**
- 7. Hydraulic Cylinder repairs**
- 8. Hydraulic drill rig drifter repairs (Atlas Copco and Sandvik)**
- 9. Mobile Loader rebuilds**
- 10. Pneumatic rig repairs and maintenance**
- 11. Training on maintenance and repair of drill rigs**
- 12. Rehabilitation of underground Locos**

